

| EAST - [Untitled1:1] | | | | | | | | | | |
|----------------------------------|-------------------------------------|----------------|------------|-------|---|------------|------------------------|-----------|----------------------------|---|
| File View Edit Tools Window Help | | | | | | | | | | |
| DRAFT | | | | | | | | | | |
| Drafts | | | | | | | | | | |
| | | Document ID | Issue Date | Pages | Title | Current OR | Current MR | Retrieval | Inventor | S C P J |
| 1 | <input checked="" type="checkbox"/> | US 20030156347 | 20030821 | 36 | Magnetic disk drive system | 360/78.04 | 360/31; 360/62; 360/75 | | Ishii, Koji | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2 | <input checked="" type="checkbox"/> | US 20030090824 | 20030515 | | Magnetic disk drive system | 360/31 | 360/75 | | Hirano, Masakazu et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3 | <input checked="" type="checkbox"/> | US 20020131191 | 20020919 | | Disk drive with control of read and write gate | 360/51 | | | Osafune, Koji | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4 | <input checked="" type="checkbox"/> | US 20010013989 | 20010816 | | DISK APPARATUS WITH REAL-TIME ECCENTRICITY C | 360/78.04 | | | SAIKI, MASARU et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5 | <input checked="" type="checkbox"/> | US 6317285 B1 | 20011113 | | Method for calibrating MR head geometry in sel | 360/75 | 360/77.04 | | Bi, Qiang et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 6 | <input checked="" type="checkbox"/> | US 6137646 A | 20001024 | | Disk apparatus using coincidence detection t | 360/51 | 360/53 | | Okamura, Eiji et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7 | <input checked="" type="checkbox"/> | US 6130804 A | 20001010 | | Four channel azimuth and two channel non-azi | 360/241.1 | 360/76 | | Panish, Joseph M. et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 8 | <input checked="" type="checkbox"/> | US 6016547 A | 20000118 | | Data processing apparatus with program | 713/300 | 365/227; 711/100; | | Ono, Chihiro | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9 | <input checked="" type="checkbox"/> | US 6016233 A | 20000118 | | Magnetic tape apparatus with housing in which p | 360/15 | 360/48; 360/74.1; | | Scholz, Werner et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 10 | <input checked="" type="checkbox"/> | US 5973874 A | 19991026 | | Four channel azimuth and two channel non-azi | 360/76 | 360/78.02 | | Panish, Joseph M. et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 11 | <input checked="" type="checkbox"/> | US 5963398 A | 19991005 | | Disk apparatus with voice coil motor | 360/264.7 | | | Tohkairin, Koichi | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 12 | <input checked="" type="checkbox"/> | US 5867339 A | 19990202 | | Two channel azimuth and two channel non-azimuth | 360/76 | | | Panish, Joseph M. et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 13 | <input checked="" type="checkbox"/> | US 5798885 A | 19980825 | | Head positioning control for disk appara | 360/77.08 | 360/78.14 | | Saiki, Masaru et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 14 | <input checked="" type="checkbox"/> | US 5784220 A | 19980721 | | Magnetic disk apparatus recording an | 360/78.14 | 360/78.04 | | Nishimura, Kazuo et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 15 | <input checked="" type="checkbox"/> | US 5712739 A | 19980127 | | Magnetic disk drive system with a composite | 360/46 | | | Nakamura, Norio et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 16 | <input checked="" type="checkbox"/> | US 5636075 A | 19970603 | | Magnetic disk apparatus recording me | 360/48 | 360/51; 360/76; | | Nishimura, Kazuo et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 17 | <input checked="" type="checkbox"/> | US 5210618 A | 19930511 | | Method, apparatus and record carrier for vide | 386/3 | | | De Haan, Gerard | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 18 | <input checked="" type="checkbox"/> | US 4912585 A | 19900327 | | Discrete track thin film magnetic recording | 360/135 | 360/131 | | Belser, Karl A. et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 19 | <input checked="" type="checkbox"/> | US 4701817 A | 19871020 | | Loading and ejecting mechanism for a magneti | 360/96.5 | 360/93 | | Uemura, Yasuhiro | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 20 | <input checked="" type="checkbox"/> | EP 1310946 A2 | 20030514 | | Magnetic disk drive system | | | | HIRANO, MASAKAZU et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 21 | <input checked="" type="checkbox"/> | EP 339851 A2 | 19891102 | | A magnetic record disk with embedded servo inf | | 360/75 | | BELSER, KARL ARNOLD et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

EAST - [Untitled1:1]

File View Edit Tools Window Help

Drafts
Pending
Active
L1: (105932) disk adjl drive
L2: (336819) (circumferential or longitudinal) adjl direction
L3: (12615) read adjl head
L4: (17622) write adjl head
L5: (2162888) offset or separation or distance
L6: (21) 2 with 3 with 4
L7: (14) 2 same 1 same 1 same 5
Failed
Saved
Favorites

USPAT USPGPUB EPO JPO BM TDB
Definition: OR
2 same 3 same 4 same 5

Assign Action Group View Edit

| | u | 1 | Document ID | Issue Dat | Pages | Title | Current OR | Current XR | Retrieval | Inventor | S | C | P | 3 | |
|----|--------------------------|--------------------------|----------------|-----------|-------|---|------------|----------------------|-----------|------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | US 20030090824 | 20030515 | 20 | Magnetic disk drive system | 360/31 | 360/75 | | Hirano, Masakazu et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | US 6477003 B1 | 20021105 | | System for recording and/or reproducing info | 360/121 | | | Kalfs, Johannes J. W. et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | US 6476992 B1 | 20021105 | | Magnetic disk apparatus and optimum offset meas | 360/46 | 360/31; 360/65; | | Shimatani, Keiji | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | US 6429989 B1 | 20020806 | | Method for self-servowriting timin | 360/51 | 360/77.08; 360/78.14 | | Schultz, Mark D. et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | <input type="checkbox"/> | <input type="checkbox"/> | US 6349020 B1 | 20020219 | | Head tilting mechanism for tape drives | 360/291.2 | | | Kumaraswamy, Bi, Qiang et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 | <input type="checkbox"/> | <input type="checkbox"/> | US 6317285 B1 | 20011113 | 18 | Method for calibrating MR head geometry in sel | 360/75 | 360/77.04 | | Kasetty, Kumaraswamy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 | <input type="checkbox"/> | <input type="checkbox"/> | US 6307718 B1 | 20011023 | | Tape head positioning device for adjusting az | 360/291.1 | 360/241.1 | | Kalfs, Johannes J. W. et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 | <input type="checkbox"/> | <input type="checkbox"/> | US 6061196 A | 20000509 | | System for recording and/or reproducing info | 360/48 | 360/77.12; 360/78.02 | | Saliba, George A. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9 | <input type="checkbox"/> | <input type="checkbox"/> | US 5523904 A | 19960604 | | Linear tape write servo using embedded azimuth | 360/77.12 | 360/76 | | Rudi, Guttorm | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10 | <input type="checkbox"/> | <input type="checkbox"/> | US 5452152 A | 19950919 | | Tracking control on longitudinal azimuth tr | 360/77.12 | 360/78.02 | | Saliba, George A. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11 | <input type="checkbox"/> | <input type="checkbox"/> | US 5371638 A | 19941206 | | Servo method and apparatus for very high | 360/77.12 | 360/121; 360/60; | | Saliba, George A. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12 | <input type="checkbox"/> | <input type="checkbox"/> | US 5307217 A | 19940426 | | Magnetic head for very high track density mag | 360/76 | 360/121 | | HIRANO, MASAKAZU et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13 | <input type="checkbox"/> | <input type="checkbox"/> | EP 1310946 A2 | 20030514 | 21 | Magnetic disk drive system | | | | KALFS, JOHANNES JOZEF WILHELMUS et | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 14 | <input type="checkbox"/> | <input type="checkbox"/> | WO 9826410 A1 | 19980618 | | SYSTEM FOR RECORDING AND/OR REPRODUCING INFO | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Ready

EAST - [Untitled1:1]

File View Edit Tools Window Help

Drafts

Pending

Active

L1: (105932) disk adj1 drive

L2: (12615) read adj1 head

L3: (57973) (write or recording) adj1 head

L4: (2575376) distance or separation or location

L5: (223) 2 with 3 with 4

L6: (81) 1 and 5

L7: (465618) offset

L8: (108) 2 with 3 with 7

L9: (58) 1 and 4

Failed

DB: USPAT US POPUS EPO JPO BUI TDS

Current OR OR

1 and 2

| | U | I | Document ID | Issue Dat | Pages | Title | Current OR | Current XR | Retrieval | Inventor | S | C | P | 3 |
|----|---|---|----------------|-----------|-------|---|------------|------------|-----------|----------------------------|---|---|---|---|
| 1 | F | F | US 20040057151 | 20040325 | 16 | Data storage device and servo information writi | 360/77.08 | 360/48; | | Saikawa, Manabu et al. | | | | |
| 2 | F | F | US 20040012874 | 20040122 | 21 | Self-servo-writing multi-slot timing batte | 360/51 | 360/48; | | Chainer, Timothy J. et al. | | | | |
| 3 | F | F | US 20030218821 | 20031127 | 12 | Method and apparatus for performing self-ser | 360/75 | 360/77.02; | | Sado, Hideo | | | | |
| 4 | F | F | US 20030156347 | 20030821 | 36 | Magnetic disk drive system | 360/78.04 | 360/31; | | Ishii, Koji | | | | |
| 5 | F | F | US 20030026017 | 20030206 | 15 | Method and apparatus for determining read-to | 360/31 | 360/62; | | Chong, Fong Kheon et al. | | | | |
| 6 | F | F | US 20020101672 | 20020801 | 26 | Method for storage of self-servowriting timin | 360/51 | 360/48 | | Chainer, Timothy J. et al. | | | | |
| 7 | F | F | US 20020085305 | 20020704 | | Method and apparatus for disk drive seek con | 360/78.14 | | | Asano, Hideo et al. | | | | |
| 8 | F | F | US 20020071198 | 20020613 | | Method to achieve higher track density by | 360/77.02 | 360/63; | | Liu, Xiong et al. | | | | |
| 9 | F | F | US 20020050814 | 20020502 | 33 | Testing apparatus and method for testing magm | 324/210 | 324/212 | | Nozu, Takashi | | | | |
| 10 | F | F | US 20020048107 | 20020425 | | Circuit for self-writing servo and | 360/51 | 360/63; | | Bryant, Lawrence M. et al. | | | | |
| 11 | F | F | US 20020039247 | 20020404 | | Track pitch correction method and apparatus | 360/76 | 360/77.02 | | Bi, Qiang et al. | | | | |
| 12 | F | F | US 20010040752 | 20011115 | | Servo track writing using extended copying | 360/77.04 | 360/77.08 | | Szita, Gabor et al. | | | | |
| 13 | F | F | US 20010000302 | 20010419 | | Servo information writing method and stor | 360/31 | 360/53; | | Sasamoto, Tatsuro et al. | | | | |
| 14 | F | F | US 6751046 | 20040615 | | Writing servo data patterns on a data stor | 360/77.04 | 360/75; | | Szita, Gabor et al. | | | | |
| 15 | F | F | US 6751042 | 20040615 | | Track pitch correction method and apparatus | 360/77.02 | 360/75; | | Bi, Qiang et al. | | | | |
| 16 | F | F | US 6751035 | 20040615 | 23 | Method and system for initializing patterned | 360/48 | 360/50; | | Belser, Karl A. | | | | |
| 17 | F | F | US 6735031 | 20040511 | 25 | Method for storage of | 360/51 | 360/48; | | Chainer, Timothy | | | | |

File Edit View Help

Ready

100%

| EAST - [Untitled1:1] | | | | | | | | | | | | | |
|----------------------------------|-------------------------------------|-------------|------------|-------|---|------------|------------|-----------|-----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| File Edit View Tools Window Help | | | | | | | | | | | | | |
| DRAFTS | | | | | | | | | | | | | |
| | | Document ID | Issue Date | Pages | Title | Current OR | Current XR | Retrieval | Inventor | S | C | P | 3 |
| 18 | <input checked="" type="checkbox"/> | US 6714376 | 20040330 | 14 | Partial servo write fill in | 360/75 | | | Brunnett, Don et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 19 | <input checked="" type="checkbox"/> | US 6696831 | 20040224 | 32 | Testing apparatus and method for testing magn. | 324/210 | 324/212 | | Nozu, Takashi | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 20 | <input checked="" type="checkbox"/> | US 6690538 | 20040210 | | Disk drive device and access sequence therefor | 360/78.08 | | | Saito, Tomoaki et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 21 | <input checked="" type="checkbox"/> | US 6650491 | 20031118 | 24 | System and method for setting a read/write of | 360/31 | 360/53; | | Suzuki, Hiroaki et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 22 | <input checked="" type="checkbox"/> | US 6631046 | 20031007 | | Servo track writing using extended comping | 360/75 | 360/51; | | Szita, Gabor et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 23 | <input checked="" type="checkbox"/> | US 6611396 | 20030826 | | Disk level servo write | 360/77.04 | 360/77.07; | | Kermiche, Noureddine et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 24 | <input checked="" type="checkbox"/> | US 6600636 | 20030729 | 13 | Magnetic head with write element offset fr | 360/317 | | | Liikanen, Bruce et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 25 | <input checked="" type="checkbox"/> | US 6597530 | 20030722 | | Method and apparatus for disk drive seek con | 360/78.14 | 360/77.04 | | Asano, Hideo et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 26 | <input checked="" type="checkbox"/> | US 6556386 | 20030429 | | FPC connection arrangement for a disk | 360/264.2 | 360/245.9; | | Endo, Kenji | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 27 | <input checked="" type="checkbox"/> | US 6522493 | 20030218 | | Position error signal linearization using an | 360/75 | 360/77.08 | | Dobbek, Jeff J. et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 28 | <input checked="" type="checkbox"/> | US 6522488 | 20030218 | | Servo information writing method and stor | 360/31 | 360/51; | | Sasamoto, Tatsuro et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 29 | <input checked="" type="checkbox"/> | US 6515818 | 20030204 | | Track follow at quarter track with narrow heads | 360/77.08 | 360/53; | | Harmer, Brent Jay | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 30 | <input checked="" type="checkbox"/> | US 6512649 | 20030128 | | Method for differentially writing | 360/68 | 327/110 | | Alini, Roberto et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 31 | <input checked="" type="checkbox"/> | US 6476992 | 20021105 | 21 | Magnetic disk apparatus and optimum offset meas | 360/46 | 360/31; | | Shimatani, Keiji | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 32 | <input checked="" type="checkbox"/> | US 6456451 | 20020924 | 19 | Method and apparatus for disk drive seek con | 360/77.04 | 360/65; | | Asano, Hideo et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 33 | <input checked="" type="checkbox"/> | US 6429995 | 20020806 | | Position error signal calibration using measu | 360/77.08 | 360/77.08; | | Dobbek, Jeff J. et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 34 | <input checked="" type="checkbox"/> | US 6320718 | 20011120 | | Disk drive with zero read offset in reserved | 360/77.04 | 360/77.08 | | Bouwkamp, Timothy D. et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 35 | <input checked="" type="checkbox"/> | US 6317285 | 20011113 | 18 | Method for calibrating MR head geometry in sel | 360/75 | 360/77.04 | | Bi, Qiang et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 36 | <input checked="" type="checkbox"/> | US 6295176 | 20010925 | | Apparatus and process for identifying sectors | 360/48 | 360/51 | | Reddy, Prafulla B. et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 37 | <input checked="" type="checkbox"/> | US 6185063 | 20010206 | | Methods and apparatus for overlapping data tr | 360/78.04 | 360/75 | | Cameron, T. Jay | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 38 | <input checked="" type="checkbox"/> | US 6172838 | 20010109 | | Disk unit creating a position sensitivity co | 360/77.04 | 360/50 | | Ohba, Kazuhide | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 39 | <input checked="" type="checkbox"/> | US 6078460 | 20000620 | | Head positioning control system for use | 360/77.04 | | | Moriya, Kazunori | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 40 | <input checked="" type="checkbox"/> | US 6049440 | 20000411 | | Self written read/write track servo parameter f | 360/77.04 | 360/77.08 | | Shu, Andrew | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 41 | <input checked="" type="checkbox"/> | US 6031682 | 20000229 | 11 | Track trimming and orthogonal recording fo | 360/77.12 | 360/76; | | Nelson, Gary T. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 42 | <input checked="" type="checkbox"/> | US 6025971 | 20000215 | | Magnetic disk drive | 360/77.08 | 360/77.07; | | Inoue, Tetsuo et al. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| EAST - [Untitled1:1] | | | | | | | | | | | | |
|----------------------------------|-------------------------------------|-------------|------------|-------|---|------------|------------|-----------|----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| File View Edit Tools Window Help | | | | | | | | | | | | |
| DRAFTS | | | | | | | | | | | | |
| DRAFTS | | | | | | | | | | | | |
| | | Document ID | Issue Date | Pages | Title | Current OR | Current KB | Retrieval | Inventor | S | C | P |
| 35 | <input checked="" type="checkbox"/> | US 6317285 | 20011113 | 18 | Method for calibrating MR head geometry in self | 360/75 | 360/77.04 | | Bi, Qiang et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 36 | <input checked="" type="checkbox"/> | US 6295176 | 20010925 | | Apparatus and process for identifying sectors | 360/48 | 360/51 | | Reddy, Prafulla B. et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 37 | <input checked="" type="checkbox"/> | US 6185063 | 20010206 | | Methods and apparatus for overlapping data tracks | 360/78.04 | 360/75 | | Cameron, T. Jay | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 38 | <input checked="" type="checkbox"/> | US 6172938 | 20010109 | | Disk unit creating a position sensitivity vector | 360/77.04 | 360/50 | | Ohba, Kazuhide | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 39 | <input checked="" type="checkbox"/> | US 6078460 | 20000620 | | Head positioning control system for use | 360/77.04 | | | Moriya, Kazunori | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 40 | <input checked="" type="checkbox"/> | US 6049440 | 20000411 | | Self written read/write track servo parameter | 360/77.04 | 360/77.08 | | Shu, Andrew | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 41 | <input checked="" type="checkbox"/> | US 6031682 | 20000229 | 11 | Track trimming and orthogonal recording for | 360/77.12 | 360/76; | | Nelson, Gary T. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 42 | <input checked="" type="checkbox"/> | US 6025971 | 20000215 | | Magnetic disk drive using a nonvolatile sol | 360/77.08 | 360/77.07 | | Inoue, Tetsuo et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 43 | <input checked="" type="checkbox"/> | US 6005751 | 19991221 | 9 | Recording head skewed read/write gain posi | 360/244 | 360/121 | | Kazmierczak, Frederick F. et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 44 | <input checked="" type="checkbox"/> | US 5978167 | 19991102 | | Disk unit creating a position sensitivity vector | 360/77.04 | 360/78.04 | | Abe, Takao | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 45 | <input checked="" type="checkbox"/> | US 5956200 | 19990921 | 40 | Method of and apparatus for controlling magneti | 360/77.04 | 360/78.04 | | Kohno, Keiichi et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 46 | <input checked="" type="checkbox"/> | US 5892634 | 19990406 | 26 | Method and apparatus for heat positioning co | 360/77.08 | 360/48 | | Ito, Hiroshi et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 47 | <input checked="" type="checkbox"/> | US 5859740 | 19990112 | 36 | Information storage disc and information re | 360/77.02 | 360/48; | | Takeda, Toru et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 48 | <input checked="" type="checkbox"/> | US 5831782 | 19981103 | | Method and apparatus for supplying optimal b | 360/66 | 360/46; | | Kohno, Keiichi et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 49 | <input checked="" type="checkbox"/> | US 5825579 | 19981020 | | Disk drive servo sensing gain normalizat | 360/77.08 | 360/55; | | Cheung, Wayne Leung et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 50 | <input checked="" type="checkbox"/> | US 5818654 | 19981006 | | Apparatus and process for managing defective | 360/53 | 360/48; | | Reddy, Prafulla B. et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 51 | <input checked="" type="checkbox"/> | US 5805373 | 19980908 | | Head position error compensation in disk dr | 360/77.07 | 360/49; | | Hara, Takeyori et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 52 | <input checked="" type="checkbox"/> | US 5801908 | 19980901 | 20 | Magnetic disk drive comprising rotary actua | 360/294.4 | 360/264.5; | | Akiyama, Junichi et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 53 | <input checked="" type="checkbox"/> | US 5801897 | 19980901 | | Head positioning control system for use | 360/78.14 | 360/77.08; | | Kanda, Hiroyuki et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 54 | <input checked="" type="checkbox"/> | US 5796543 | 19980818 | 20 | Data track pattern including embedded serv | 360/77.08 | 360/77.11; | | Ton-That, Luan | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 55 | <input checked="" type="checkbox"/> | US 5786957 | 19980728 | | Magnetic disk device using non-aligned read | 360/77.08 | 360/48 | | Inoue, Tetsuo et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 56 | <input checked="" type="checkbox"/> | US 5694265 | 19971202 | | Disk apparatus for detecting position of h | 360/77.05 | 360/51; | | Kosugi, Tatsuhiko et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 57 | <input checked="" type="checkbox"/> | US 5691857 | 19971125 | | Method using matched filters for determinin | 360/77.06 | 360/78.14 | | Fitzpatrick, James et al. | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 58 | <input checked="" type="checkbox"/> | US 5587850 | 19961224 | 20 | Data track pattern including embedded serv | 360/77.08 | 360/53; | | Ton-that, Luan | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 59 | <input checked="" type="checkbox"/> | US 5587850 | 19961224 | 20 | Data track pattern including embedded serv | 360/77.08 | 360/77.06 | | Ton-that, Luan | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

14 THE *Journal of* **Paralegals** **13:4**

| EAST - [Untitled1:1] | | | | | | | | | | |
|----------------------------------|-------------------------------------|-------------|------------|-------|-------------------------|------------|------------|-----------|--------------------|--|
| File Edit View Tools Window Help | | | | | | | | | | |
| DRAFTS | | | | | | | | | | |
| | | Document ID | Issue Date | Pages | Title | Current OR | Current XP | Retrieval | Inventor | S C P 3 |
| 44 | <input checked="" type="checkbox"/> | US 6339523 | 20020115 | | Write head before read | 360/317 | 360/126 | | Santini, Hugo | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 45 | <input checked="" type="checkbox"/> | US 6330122 | 20011211 | | head constructed magnet | 360/31 | 360/234.3; | | Alberto Emilio | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 46 | <input checked="" type="checkbox"/> | US 6317285 | 20011113 | | Magnetic tester for | 360/75 | 360/319 | | Chang, Thomas | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 47 | <input checked="" type="checkbox"/> | US 6278748 | 20010821 | | disk surface scan | 375/341 | 341/59; | | Young et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 48 | <input checked="" type="checkbox"/> | US 6175465 | 20010116 | | Method for calibrating | 360/77.08 | 360/77.04 | | Bi, Qiang et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 49 | <input checked="" type="checkbox"/> | US 6130798 | 20001010 | | MR head geometry in sel | 360/77.05 | 360/77.07 | | Fu, Leo et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 50 | <input checked="" type="checkbox"/> | US 6128160 | 20001003 | | Rate 5/6 maximum | 360/324.11 | 360/66 | | Kawachi, Hidetoshi | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 51 | <input checked="" type="checkbox"/> | US 6104568 | 20000815 | | transition run code for | 360/78.04 | 360/48; | | et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 52 | <input checked="" type="checkbox"/> | US 6081397 | 20000627 | | Head positioning | 360/51 | 360/47; | | Chang, Dar-Der et | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 53 | <input checked="" type="checkbox"/> | US 6052250 | 20000418 | | control system for use | 360/77.08 | 360/77.08; | | Yamamoto, Kotaro | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 54 | <input checked="" type="checkbox"/> | US 6031682 | 20000229 | | Hardware PES calculator | 360/77.12 | 360/76; | | Drouin, David et | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 55 | <input checked="" type="checkbox"/> | US 6014283 | 20000111 | | Head device having | 360/77.08 | 360/77.07 | | al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 56 | <input checked="" type="checkbox"/> | US 6005751 | 19991221 | | spin-valve read head fo | 360/77.08 | 360/77.02 | | Belser, Karl | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 57 | <input checked="" type="checkbox"/> | US 5956200 | 19990921 | | pattern | 360/77.04 | 360/78.14 | | Arnold | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 58 | <input checked="" type="checkbox"/> | US 5953180 | 19990914 | | Method and apparatus | 360/77.04 | 360/78.04 | | Golowka, Daniel et | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 59 | <input checked="" type="checkbox"/> | US 5930078 | 19990727 | | for SID-to-SID period e | 360/97.02 | 360/234.3; | | al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 60 | <input checked="" type="checkbox"/> | US 5910862 | 19990608 | | Disk drive with | 360/245.8 | 360/244; | | Nelson, Gary T. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 61 | <input checked="" type="checkbox"/> | US 5892634 | 19990406 | | separately determined s | 360/97.01 | 360/98.01 | | Codilian, Raffi et | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 62 | <input checked="" type="checkbox"/> | US 5859740 | 19990112 | | Track trimming and | 360/77.08 | 360/48 | | al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 63 | <input checked="" type="checkbox"/> | US 5801908 | 19980901 | | orthogonal recording fo | 360/294.4 | 360/264.5; | | Kazmierczak, | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 64 | <input checked="" type="checkbox"/> | US 5796543 | 19980818 | | Non-quadrature servo | 360/77.08 | 360/48 | | Frederick E. et al | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 65 | <input checked="" type="checkbox"/> | US 5745639 | 19980428 | | burst pattern for micro | 386/70 | 386/125; | | Kohnno, Keiichi et | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 66 | <input checked="" type="checkbox"/> | US 5682274 | 19971028 | | Recording head skewed | 360/77.04 | 360/77.08 | | al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 67 | <input checked="" type="checkbox"/> | US 5646806 | 19970708 | | read and write gap posi | 360/130.22 | 360/130.21 | | Frater, Norman | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 68 | <input checked="" type="checkbox"/> | US 5587850 | 19961224 | | Method of and apparatus | 360/77.08 | 360/77.06 | | Kermit et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | for controlling magneti | | | | Albrecht, David | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | Multi-mode suspension | | | | William et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | populated actuator for | | | | Ogawa, Yoshinori | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | Automated head wire | | | | et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | Stringing termination | | | | Ito, Hiroshi et | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | Magnetic disk apparatus | | | | al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | Method and apparatus | | | | Takeda, Toru et | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | for heat positioning co | | | | al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | Information storage | | | | Akiyama, Junichi | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | disc and information re | | | | et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | Magnetic disk drive | | | | Ton-That, Luan | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | comprising rotary actua | | | | Gensheimer, Joseph | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | Data track pattern | | | | Michael | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | including embedded serv | | | | Brown, Dana Henry | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | Apparatus for improving | | | | et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | the continuous supply o | | | | Griffith, Neil J. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | Method and apparatus | | | | et al. | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | for positioning transdu | | | | Ton-that, Luan | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | Edge tensioning sloping | | | | | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | tape guide for arcuate | | | | | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | | | | | Data track pattern | | | | | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

姓名: _____ 学号: _____ 班级: _____ 日期: _____

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.